



BOXERmesh

- ▶ An end-to-end parallel unstructured mesh generator.
- ▶ Supports disparate and wide ranging geometry sources, e.g.
 - ▶ CATIA, NX, Creo, STEP, IGES, Parasolid, STL, OBJ...
- ▶ Supports a wide range of mesh output formats, e.g.
 - ▶ CGNS, ANSYS MSH, Fieldview UNS, Metacomp CFD++
- ▶ Internal, solver-aware cell quality metrics.
- ▶ Can already create exa-scale (10^{18}) cell count meshes.
- ▶ Runs as a client-server set-up with a lightweight GUI front end controlling a parallel meshing server on heterogeneous networks.
- ▶ Runs in Linux or Windows - laptop, workstations, HPC clusters or the Cloud
- ▶ Approx. 1.4Gb per million cells memory requirement
- ▶ Typical benchmark speed around 0.015 million cells per min per core. Scalability is benchmarked for billions of cells on thousands of CPU cores.
- ▶ Runs interactively in scripted batch mode - uses Lua language for scripting.



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Proprietary and customised CFD

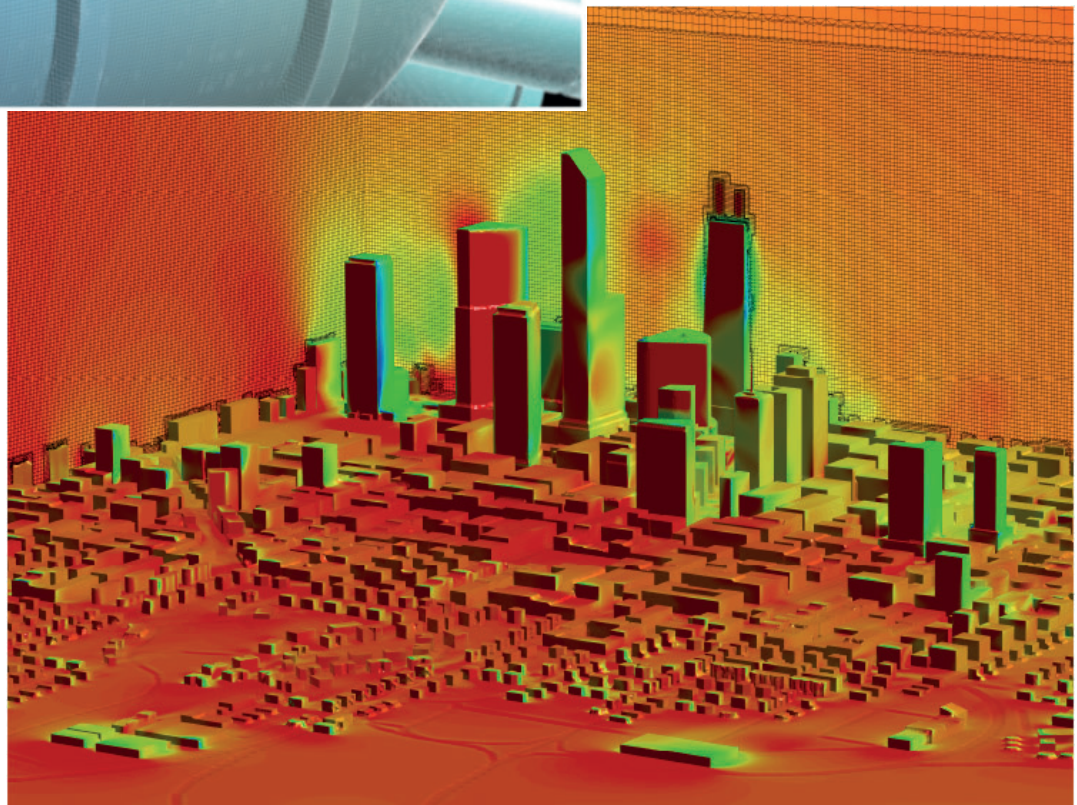
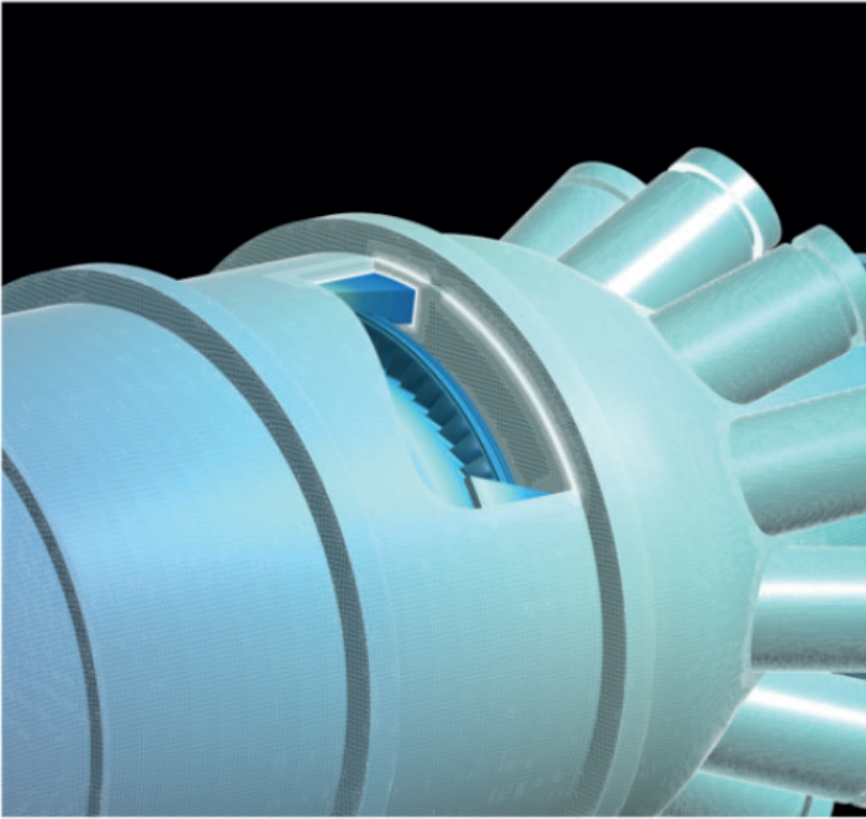
For further information contact: enquiries@cambridgeflowsolutions.com

www.cambridgeflowsolutions.com

T: +44 (0)1223 628770



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